

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

10/501967

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
31 July 2003 (31.07.2003)

PCT

(10) International Publication Number
WO 03/063112 A1(51) International Patent Classification⁷: G09B 19/10,
A63H 3/44, A41G 3/00[CN/CN]; Blk. 9, 38/F. Flat F, 398 Castle Peak Road, Tsuen
Wan, N.T., Hong Kong (CN).

(21) International Application Number: PCT/US03/01807

(74) Agents: BROWNE, Robert, E. et al.; Altheimer & Gray,
10 S. Wacker Drive, Suite 4000, Chicago, IL 60606 (US).

(22) International Filing Date: 22 January 2003 (22.01.2003)

(25) Filing Language:

English

(81) Designated States (*national*): AU, US.

(26) Publication Language:

English

(84) Designated States (*regional*): European patent (AT, BE,
BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,
IE, IT, LU, MC, NL, PT, SE, SI, SK, TR).

(30) Priority Data:

02200978.7

23 January 2002 (23.01.2002) CN

(71) Applicant (*for all designated States except US*): PIVOT
POINT INTERNATIONAL, INC. [US/US]; 1791 W.
Howard Street, Chicago, IL 60626 (US).

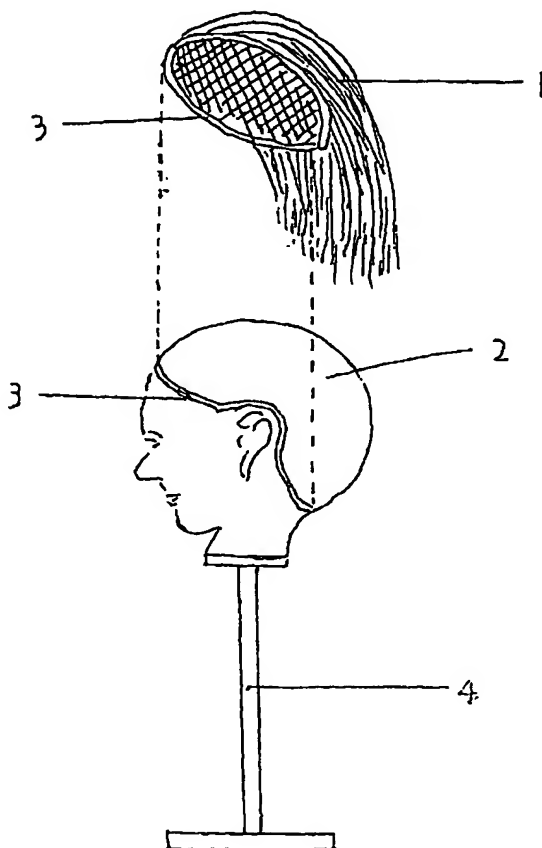
Published:

— with international search report

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): PANG, Kam, Chiu*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: HAIR EDUCATIONAL TOOL



(57) Abstract: This creation is a kind of appliance for haircut teaching. It mainly consists of hair wig (1) and head form (2). On the head form (2), there is a fixing part along hairline (3); on the hair wig (1), there is another fixing part (3) corresponding to the one on the head form. At the bottom of the head form, there is a support (4). When practicing, the hair wig (1) and head form (2) will be connected together to be a complete mannequin. After practicing, the head form will still be remained for next use. The positive effect of this creation is: convenient to use, beneficial for resource economy and environmental protection, easy to produce and promote.

WO 03/063112 A1

TITLE

HAIR EDUCATIONAL TOOL

FIELD OF THE INVENTION

5 This practical creation is a sort of appliance for haircut teaching.

TECHNICAL BACKGROUND

10 This appliance is an improvement of the existing haircut teaching mannequin with hair planted in the head form. After use, the mannequin is thrown away, causing a lot of material waste and heavy environmental pollution. This practical creation aims to design a sort of haircut teaching tool that can be used over and over, to avoid waste.

DETAILS OF THIS INVENTION

15 This practical creation is carried out in this way: This creation mainly consists of hair wig and head form. On the head form, there is a fixing part along hairline; on the hair wig, there is another fixing part corresponding to the one on the head form. At the bottom of the head form, there is a support. When practicing, the hair wig and head form will be connected together to be a
20 complete mannequin. After practicing, the head form will still be remained for next use.

The fixing part of the head form mentioned above is a concave groove along the hairline, and the fixing part on the hair wig mentioned above is a convex ridge along the hairline. When the convex ridge is pressed in to the
25 concave groove, hair wig is connected with head form.

The fixing part of the head form mentioned above is some snap fasteners along the hairline, and the fixing part on the hair wig mentioned above is the corresponding sets to the snap fasteners along the hairline. Hair wig and head form connects to each other by fixing the two parts of snap fasteners.

30 The fixing part of the head form mentioned above is a piece of nylon agraffe along the hairline, and the fixing part of the wig mentioned above is the corresponding set to the agraffe along the hairline. Hair wig and head form connects to each other by fixing the two parts of snap fasteners.

The mentioned head form is made of PCV.

The positive effect of this creation is: convenient to use, beneficial for resource economy and environmental protection, easy to produce and promote.

DIRECTIONS OF THE ATTACHED DRAWING

5 Drawing 1 is the building structure of this practical creation.

Drawing 2 is the fixing chart of concave groove and convex ridge.

Drawing 3 is the fixing chart of snap fasteners.

Drawing 4 is the fixing chart of nylon agraffe.

10 In drawing, 1 indicates hair, 2 indicates head form, 3 indicates fixing part, 4 indicates bottom support, 5 indicates concave groove, 6 indicates convex ridge, 7 indicates snap fasteners, 8 indicates nylon agraffe.

15 As shown in Drawing 1, hair (1) connects to head form (2) by fixing part (3), head form (2) connects with bottom support (4). The fixing sets mentioned here may be either concave groove (5) and convex ridge (6) in Drawing 2, or snap fasteners (7) in Drawing 3, or nylon agraffe (8) in Drawing 4.

CLAIMS

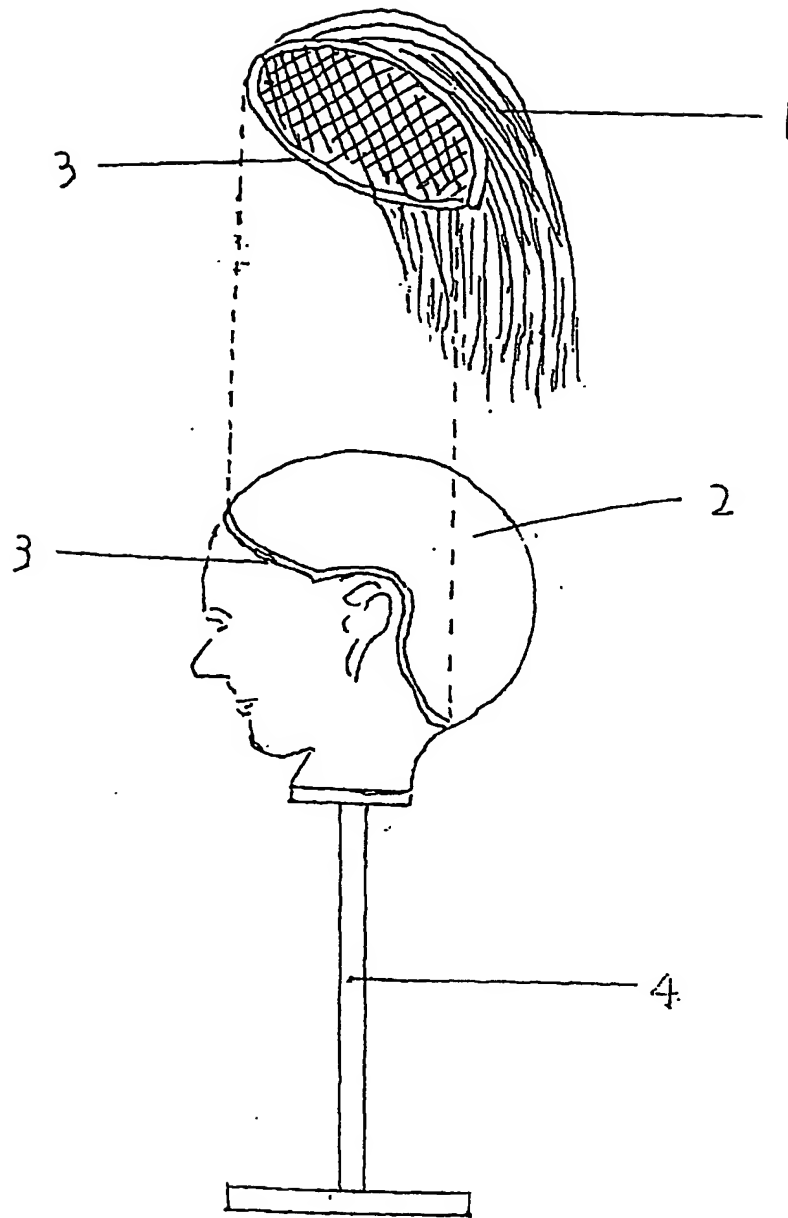
1. This is a sort of appliance for haircut teaching. It mainly consists of hair wig and head form. On the head form, there is a fixing part along hairline; on the hair wig, there is another fixing part corresponding to the one on the head form. A support is put at the bottom of the head form.

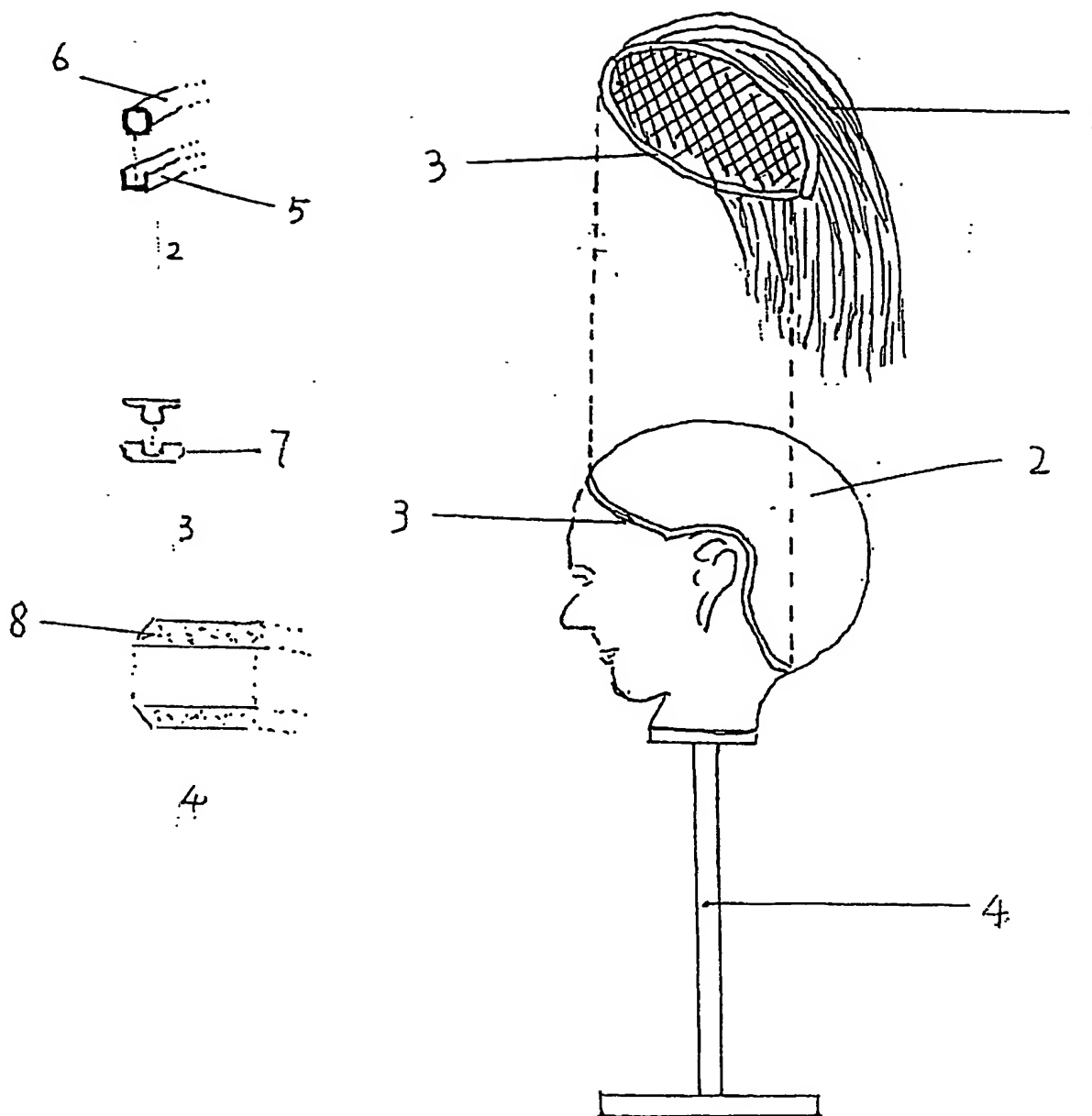
2. The appliance for haircut teaching mentioned in claim 1 is featured as: the fixing part on the head form is a concave groove along the hairline, and the fixing part on the hair wig is a convex ridge along the hairline.

3. The appliance for haircut teaching mentioned in claim 1 is featured as: the fixing part on the head form is some snap fasteners along the hairline, and the fixing part on the hair wig is the corresponding sets to the snap fasteners along the hairline.

4. The appliance for haircut teaching mentioned in claim 1 is featured as: the fixing part on the head form is a piece of agraffe along the hairline, and the fixing part on the hair wig is the corresponding set to the agraffe along the hairline.

5. The appliance for haircut teaching mentioned in claim 1 is featured as: the mentioned head form is made of PVC.





INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/01807

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G09B 19/10; A63H 3/44; A41G 3/00
US CL : 132/212; 434/94; 446/394; 223/66; D28/93

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 132/212; 434/94; 446/394; 223/66; D28/93

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,041,050 A (RITCHEY et al) 20 August 1991 (20.08.1991), figures 1-3.	1-2, 4
Y		3, 5
X	US 3,889,414 A (WHETZEL) 17 June 1975 (17.06.1975), figures 1-3.	1, 3
X	US 2,968,104 A (YONEZO) 17 January 1961 (17.01.1961), figure 1.	1
X	US 5,252,074 A (PASSAGE et al) 12 October 1993 (12.10.1993), col. 2, lines 26-29.	1, 5

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

30 April 2003 (30.04.2003)

Date of mailing of the international search report

14 MAY 2003

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703)305-3230

Authorized officer

Derris Banks

Telephone No. 703-308-1148

Sheila H. Venzey
Sheila H. Venzey
Paralegal Specialist
Tech. Center 3700